

## Wide Band Chokes and Beads

FASTRON wide band chokes are ferrite beads wound with a thin copper wire. These 6 hole beads provide a constant current. They are commonly use in burner and signal filtering applications and protect against radio frequency interface s of components on PCB's

**Applications** To filter external EMI  
Reduction of radiated interference and TV receivers  
Voltage supply for high load currents

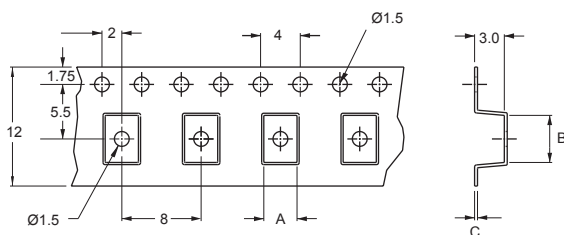
### Technical Data

Impedance, Z	Measured with HP 4286A RF LCR meter at frequency $f_L$
Operating Temperature	-55°C to +85°C
Recommended soldering method	Wave
Solderability	Using lead free solder (Sn 99.9) at 260°C ± 5°C for 5 ± 0.5 seconds, min 90% solder coverage of metallization Standard: IEC 68-2-20 (Ta)
Resistance to Soldering Heat	Resistant to 260°C ± 5°C for 10 ± 1 seconds Standard: IEC 68-2-20 (Tb)
Resistance to Solvent	Resistant to Isopropyl alcohol for 5 ± 0.5 minutes at 23°C ± 5°C Standard: IEC 68-2-45
Climatic Test	Defined by the following standards IEC 68-2-1 for Cold test: -55°C for 96 hours IEC 68-2-2 for Dry heat test: +85°C for 96 hours IEC 60068-2-78 for Humidity test: 40°C at RH 95% for 4 days
Thermal Shock Test	Temperature cycle : -55°C to +85°C to -55°C Max/Min temperature duration: 15 minutes Temperature transition duration: 5 minutes Cycles: 25 Standard: MIL-STD-202G
Tensile Strength of Leads	Components withstand a pulling force of 10N for 10 ± 1 seconds IEC 60068-2-21 (Ua1)
Mechanical Shock	Mil-Std 202 Method 213 Condition C 3 axis, 6 times, total 18 shocks 100 G, 6 ms, half-sine
Vibration	Mil-Std 202 Method 204 20 mins at 5G 10 Hz to 2000 Hz 12 cycles each of 3 orientations

**Ordering Code** Example: **06H-351X-00**      **06H** - **351**      **X** - **00**  
(Model)      (Impedance Value) (Tolerance)      (Packing Code)

Packing Code - 00 (Loose in Box), 01 (Reel), 02 (Ammopack - axial)

### Packing Specification



Type	A	B	C
SMB/001	3.35	4.75	0.29
SMB/002	3.55	9.3	0.27